CLAIMS:

We Claim:

1. A dental or medical device for use in construction of a finished dental or medical appliance, said device comprising a shapable prepreg, wherein said prepreg comprises fibers, and at least one solid body attached to said prepreg, wherein said solid body constitutes a solid body included in the finished appliance and forms a part or whole of the outer surface of said finished appliance.

2. The device according to claim 1, wherein the solid body is made of an organic material, an inorganic material or a combination thereof.

3. The device according to claim 1 wherein the prepreg comprises inorganic or organic fibers of mixtures thereof, said fibers being embedded in a resinous matrix comprising a polymerizable monomer, a polymerizable dendrimer, or a combination thereof.

4. The device according to claim 3 wherein the prepreg further comprises a polymer.

5. The dental device according to claim 1 wherein the solid body has the shape of a tooth crown, and the prepreg is shaped as a plate and comprises three-dimensionally oriented or randomly directed fibers.

6. The dental device according to claim 1 wherein several individual, preferably four, solid bodies are attached close to each other into the prepreg, wherein said bodies are attached so as to form cusps of a tooth to be constructed.

7. The dental device according to claim 6 wherein the prepreg is shaped as a plate and comprises three-dimensionally oriented or randomly directed fibers.

8. The dental device according to claim 7 wherein said prepreg comprises inorganic or organic fibers of mixtures thereof, said fibers being embedded in a resinous matrix comprising a polymerizable monomer, a polymerizable dendrimer, or a combination thereof.

9. The device according to claim 8 wherein the prepreg further comprises a polymer.

10. Medical device according to claim 1 wherein the solid body has the shape and size of a condyle for an artificial joint.

11. Method for the manufacturing of a dental or medical device for use in construction of a finished dental or medical appliance, wherein said device comprises a shapable prepreg comprising fibers and a resinous matrix comprising a polymerizable monomer, a polymerizable dendrimer, or a combination thereof, and at least one solid body attached to said prepreg, wherein said solid body constitutes a solid body included in the finished appliance, said method comprising the steps of

- contacting the solid body with the prepreg, and
- optionally protecting the bottom surface of the prepreg with a protecting tape.

12. The method according to claim 11 wherein the part of surface of the solid body, which is contacted with the prepreg, has been chemically and/or mechanically pre-treated so as to facilitate good contact with the prepreg.

13. The method according to claim 12 wherein the prepreg also comprises a curable polymer.

14. The method according to claim 13 wherein the prepreg also comprises the necessary initiators for the curing step in the use of the device.

15. The method according to claim 11 where the solid body or bodies is first placed in impressions made in a mold of silicone after which the prepreg and mold are pressed towards each other so that the solid body or bodies are partly pressed in the prepreg.

16. The method according to claim 15 where the mold is retained around the device until the use of said device.

17. Method for the manufacturing of a dental or medical device for use in construction of a finished dental or medical appliance, wherein said device comprises a shapable prepreg comprising fibers, and at least one solid body attached to said prepreg, wherein said solid body constitutes a solid body in the finished appliance, said method comprising the steps of

- adding a mixture of fillers and an uncured resin into an impression formed in a mould, said impression having the shape and size of the solid body to be created,
- pressing the fibers against the mould so that the fibers partly penetrate into the mixture in the impression,

- curing at least partially the mixture in the impression to create the solid body, and
- optionally adding a monomer liquid mixture to the fibers to create the final prepreg.

18. The method according to claim 17 wherein the prepreg of the device subsequently is impregnated with a polymerizable monomer or dendrimer or mixture thereof.

19. The method according to claim 17 wherein the prepreg subsequently also is impregnated with a polymer and/or the necessary initiators for the curing step in the use of the device.

20. The method according to claim 17 wherein the fibers of the prepreg are three-dimensionally oriented or randomly directed and that said fibers are partly impregnated with a polymerizable monomer or dendrimer or mixture thereof, before the steps of claim 17 is carried out.

21. The method according to claim 17 wherein the mold is made of silicone and said mold is retained around the device until the use of said device.